

APPENDIX

SUBSTITUTE ABSTRACT

5 A polyisocyanate compound obtained by highly converting a
bis(isocyanatomethyl)cyclohexane into a ~~uretidione~~urethodione compound, a
process for producing the compound, a polyisocyanate polyaddition composition
obtained by polyaddition of the compound, a compound having at least two hydroxyl
groups and a compound having one hydroxyl group, and a powder coating material
10 using the composition as the curing agent. The powder coating material is
advantageous for safety and health due to the absence of dissociation of blocking
agents and for economy due to a content of latent NCO greater than conventional
~~uretidione-based~~urethodione-based powder coating materials. When a curing
agent obtained from the polyisocyanate compound is used in combination with a
15 polyester polyol having 30% or greater of hydroxyl group bonded to secondary
carbon atom in the entire hydroxyl group, the curing temperature is lowered and the
coating film exhibits excellent gloss like solvent-based coating materials,
smoothness of the surface, weatherability and mechanical properties.

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